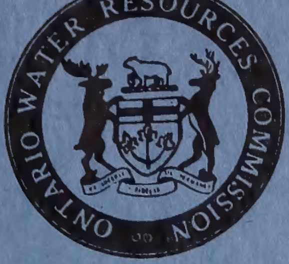
ONTARIO MINISTRY OF ENVIRONMENT
36936000021123



THE

ONTARIO WATER RESOURCES

COMMISSION

REPORT

ON A

GROUND WATER SURVEY

FOR THE

VILLAGE OF BARRY'S BAY

IN THE
TOWNSHIP OF SHERWOOD
COUNTY OF RENFREW

1960

MOE
BAR
REP
APJE

c.1
a aa

APJ

REPORT

Ontario Water Resources Commission

Municipality Village of Barry's Bay Date of Inspection October, 1960.

Re: Ground Water Survey

Field Inspection by R. C. Hore Report by R. C. Hore

Introduction

In May, 1960, Mr. G. Kay of the District Engineer's Branch compiled a report on the proposed waterworks system for the Village of Barry's Bay. This report was based on the use of ground water as the source of water supply.

In order to assist the municipality to locate possible test drilling locations, this Branch undertook a ground water survey in October, 1960.

Population and Water Needs

The present population of Barry's Bay stands at approximately 1461 persons. This is a very slight decrease over that for 1958 and 1959. There appears, however, to have been a very slow, steady increase over the last ten years and if this increase continues the estimated population for 1980 would be approximately 1900 persons.

Some residential expansion is taking place outside the limits of Barry's Bay especially to the east and north. If, in the future, these areas should become part of the town and serviced by town water perhaps a larger population estimate of 2200 should be assumed.

Environment Ontario
Laboratory Library
125 Resources Rd.
Etobicoke, Ontario M9P 3V6
Canada

There are no heavy users of water in the village. Although industrial development is sought, no expansion is certain at the present time. Assuming a water consumption of 100 gallons per person per day the town requires a supply of about 200,000 gallons of water per day or 140 g.p.m.

Present Supply

At the present time, the only sources of water for Barry's Bay are privately owned dug and drilled wells.

Drilled Wells

In the area of Barry's Bay there are only thirty drilled wells. Of these only five appear to give good quantities of water. Drilled wells range in depth from 26 feet to 305 feet and have an average depth of about 90 feet. The drilled wells having the highest capacity appear to be those constructed in the overburden.

Dug Wells

Most of the residents obtain sufficient supplies of water from dug wells. These wells range in depth from 35 to 50 feet and have an average depth of about 40 feet. These dug wells were reported to be adequate at all times. Many are equipped with a pressure system and a few of these supply several families.

Water Quality

Chemical

The results of chemical analyses made on samples

taken during the ground water survey are attached. It is noted that the water is moderately soft to slightly hard. The drilled wells show an iron content that the dug wells do not have. The pH is rather variable. The town hall well is high in hardness and chlorides.

Bacterial

All wells except the town hall well, which showed contamination, indicated a satisfactory classification. The water from the lake showed less of a coliform count than this well.

Geology

Bedrock

Barry's Bay is located in the Madawaska Valley system. To the east and west of the town along Highway No. 60, rock hills of the Grenville granitic complex rise 250 feet above the flat valley area. Rock outcrops along the western boundary of the town. The bedrock has been described as a granitic complex of intrusives of Precambrian age. No flat-lying Palaeozoic sediments appear in the area. The Hopefield Fault is reported to cross the No. 60 Highway about 1 or 1½ miles east of Barry's Bay.

The bedrock does not appear to be favourable as an abundant source of ground water supply.

Overburden

Eastward from the centre of the village, well logs indicate a considerable thickness of overburden over the rock. Lacustrine clays overlie bedrock and deposits of silt, fine sand and gravel. Immediately north of the village there are

two small sand and gravel pits. Perhaps these deposits were the result of deposition by meltwaters in an old, glacial spillway or river channel, or the result of wave action which formed beaches on the shores of a glacial lake. Overburden thicknesses of 125 feet indicate deposition in a trough-like area between the bedrock ridges.

The overburden in the area appears to be the most favourable source for ground water.

Discussion

Two potential sources of supply appear to be available to the Village of Barry's Bay. One is a ground water supply; the other a surface water supply from Kamaniska Lake. The ground water supply has an advantage in that the water will probably be purer and will therefore require less treatment. It does, however, remain to be seen whether supplies of the capacity required can be obtained from a ground water source in this area.

It is reported that the Barry's Bay part of Lake Kamaniska is quite shallow and a detailed survey would be necessary if a lake supply were contemplated to determine the best possible position for an intake pipe. Such a position might be in the area west of the causeway to Mask Island. The lake supply might show a considerable colour count and would need to be adequately chlorinated.

In order to obtain sufficient information about the well water supplies in Barry's Bay it was necessary to make a house to house survey. It was felt that in most cases private well supplies

were quite adequate and would probably continue to be so. However, to protect these well supplies an adequate sewer system might be necessary.

In general, many of the people contacted did not favour a waterworks at all but were more in favour of a sewer system.

Summary and Conclusions

The Council of Barry's Bay expressed further interest in a waterworks system for the village which resulted in a report prepared by G. Kay of the OWRC in May, 1960. Mr. Kay recommended that a ground water source be considered for the system. Before a municipal waterworks system is installed in Barry's Bay a 140 g.p.m. supply of water must be found. At present, water is obtained from privately owned shallow dug wells and a few drilled wells. Very few of the drilled wells give more than 6 g.p.m. The dug wells were reported to be generally adequate and showed no signs of drying up in late summer. The water from wells in the area is moderately soft to slightly hard. Iron is present in water from drilled wells.

The village itself is located on the flat floor of a valley in the Precambrian granitic complex which is partially filled with glacio-fluvial or glacio-lacustrine deposits.

Two sources of supply appear to be available to the village. One is a ground water supply; the other a surface water supply from Lake Kamaniskeg. A ground water supply would likely be cheaper to install and maintain than a surface water supply from the lake.

If the council decides to proceed with the installation of a water works system, a test drilling programme might be undertaken to determine the ground-water possibilities in the area. An amount of not less than $6000 should be set aside for this purpose.

Recommendations

Recommended test drilling sites have been selected by the OWRC based on a study of the local geology, and available well data.

These sites listed in order of preference are:

1) In the vicinity of the Barry's Bay Hospital on Siberia Road.
2) In the vicinity of the intersection of [illegible] and Dawson Streets.
3) In the vicinity of the intersection of No. 60 and No. 62 Highways near the centre of town.
4) In the vicinity of the Town Hall on Bay Street.
5) In the vicinity of the Paugh Lake Road north of the C.N.R. tracks.

These sites are shown on the accompanying plan.

In the event that ground water supplies were insufficient to meet the needs of the village, Lake Kamaniskeg would seem to be the only alternate source of supply.

Prepared By:

R. C. Hore
Geologist

A. F. Watt
Supervisor

Approved________________
General Manager

ONTARIO WATER RESOURCES COMMISSION
GROUND WATER SURVEY

AREA Barrys Bay COUNTY Renfrew DATE RECORDER

Well No.	Municipality	Con.	Lot	Owner	Driller	Dug	Drilled	Driven	Well Diam.	Depth	Static Level M. or R.	Quality	Use	Quantity	Remarks: Log, etc.
1	Barrys Bay			J. Lum	V. Marguardt 1956		✓		5"	112'	17'	F	D	6 GPM 92 109	0-15 H.P 15-109 Quick Sand 109-112 G
2	Barrys Bay			Steedman Bros. Ltd	V. Marguardt 1956		✓		5"	125'	25'	F	Store	5 GPM P.L. 75	0-124 Sd 124-125 Fine G
3	Barrys Bay			W. Hoffman	" 1953		✓		5"	63'	30'	F	Dairy	5 GPM P.L. 32	0-61 Silt 61-63 G
4	Barrys Bay			W Hoffman	" 1953		✓		5"	63	19'	F	Dairy	5 GPM. P.L. 25	0-61 Fine grey sd & silt 61-63 G
6	Barrys Bay			S Cybulskie	" 1958		✓		4"	55	10	F	D	6 GPM P.L. 20	0-23 - Brn Soil 23-55 Grey granite
6	Barrys Bay			A. Mask	" 1955		✓		4"	37'	10	F	D	2 GPM P.L 30'	0-37 H.P.
7	Barrys Bay			W. Burchat	" 1955		✓		4"	66	11	F	D	4 GPM P.L. 21'	0-33 H.P. 33-66 Blk rock
8	Barrys Bay			R. Conway	" 1953		✓		5"	149	79	F	D	5 GPM P.L. 138'	0-16 old dug well 16-149 Grey granite
9	Barrys Bay			J. Golka	" 1958		✓		5"	40	30	F	D	3 GPM P.L. 30'	0-38 H.P. 38-40 Cse G
10	Barrys Bay			Palubeske Bros	" 1956		✓		5"	131	10	F	D & Store	12 GPM PL 100'	0-130 Sd. 130-131 G
11	Barrys Bay			M. Mintha	" 1960		✓		5"	80	10	F	Store	9 GPM. P.L 65'	0-3 Brn Soil 3-80 Grey Granite

ONTARIO WATER RESOURCES COMMISSION
GROUND WATER SURVEY

AREA Barrys Bay COUNTY Renfrew DATE RECORDER

Well No.	Municipality	Con.	Lot	Owner	Driller	Dug	Drilled	Driven	Well Diam.	Depth	Static Level M. or R.	Quality	Use	Quantity	Remarks: Log, etc.
12	Barrys Bay			M. Mintha	V. Marquardt 1953		✓		4"	30'	2'	F	D	5 GPM P.L. 3'	0-4 Sd 4-6 G 6-30 Granite
13	Barrys Bay			D. Murray	" 1956		✓		4"	74'	17'	F	D	6 GPM P.L. 40	0-17 Brn Soil 17-74 Gray granite
14	Sherwood	II	26	B. Murray	" 1957		✓		5"	36'	7'	F	D	3 GPM P.L. 15	0-36 H.P. NOT ON MAP
15	Sherwood	V	28	Barrys Bay Hospital	" 1960		✓		6"	61'	Flow	F	H Hospital	21 GPM PL 12'	0-25 Cl 25-59 Quick sd 59-61 Cse G
16	Sherwood	IV	30	R.C. Girls Camp Association	" 1957		✓		4"	108'	18'	F	D	3 GPM PL 50'	0-17 Brn soil 17-37 Cl 37-108 Dark Grey Rock
17	Sherwood	R.B.S.	175	Public School Area #6	" 1957		✓		5"	102'	18'	F	School	12 GPM P.L. 36'	0-18 old tile well 18-102 Grey granite
18	Sherwood	O.R.N. Range B	180	D. Etmanskie	" 1955		✓		5"	67'	18'	F	D	6 G.P.M. P.L. 47	0-20 old dug well 20-58 Gray granite 58-67 Lstn
19	Sherwood	ORN Range B	175	A. Huron	" 1953		✓		4"	73'	20'	F	D	5 GPM P.L. 50'	0-14 old dug well 14-35 Dark grey granite 35-40 Red granite 40-73 Grey granite
20	Sherwood	ORN Range B	172	R.C. Briggs	" 1956		✓		4"	123'	16'	F	D	6 G.PM P.L. 108'	0-8 H.P. 8-123 Gray granite
21	Sherwood	O.R.N Range B	178	T. Murray	" 1956		✓		4"	61'	11'	F	D	3 G.P.M P.L 41'	0-14 Brn Soil 14-46 Grey granite 46-61 Red granite
22	Sherwood	ORN Range B	182	Madawaska Valley Telephone Co.	" 1957		✓		5"	135	20	F	office	5 GPM P.L 80'	0-128 Quick Sd 128-135 Blue granite

ONTARIO WATER RESOURCES COMMISSION

GROUND WATER SURVEY

AREA Barrys Bay COUNTY Renfrew DATE RECORDER

Well No.	Municipality	Con.	Lot	Owner	Driller	Dug	Drilled	Driven	Well Diam.	Depth	Static Level M. or R.	Quality	Use	Quantity	Remarks: Log, etc.
23	Sherwood	ORS Range B	187	J. Lapinskie	V. Marquardt		✓		4"	99'	17½	F	D	1½ G.P.M P.L. 85	0-19 old well 19-39 H.P. 39-99 Gray granite
24	Sherwood	RBN	185	J. Lehovich	Plebon	✓			30"	32'	29'	F	D P. System	sufficient	Into Sand
25	Sherwood	R.B.S.	185	M. Yanta	not Known	✓			30"	40'	?	F	D P. System	Sufficient 2 houses	Into gravel
26	Barrys Bay			J. Shushack	J. Plebon	✓			30"	34'	23'	F	D P. System	Sufficient 3 houses	Into quick sand below hard Pan
27	Barrys Bay			A. Dombroskie	Privately dug	✓			30"	approx 30'	23'	F	D P. System	Sufficient	Into Sand
28	Barrys Bay			B. Kelly	Plebon	✓			30"	35'	?	F	D P. System	Sufficient	Into gravel
29	Sherwood	R.B.N.	180	A. Cybulskie	Privately dug	✓			30"	50'	?	F	D P. System	Sufficient	Into gravel
30	Sherwood	RBN	180	A. Etmanskie	Plebon	✓			30"	30'	25'	F	D	Sufficient	Into Sand
31	Mask Island			I.G. Oglivie	Plebon	✓			30"	30'+	12'+	F	D P. System	Sufficient	Into clay
32	Mask Island			P. Mask	Kimberly		✓		?	100'	80	F	D	Sufficient	2 or 3 feet to rock
33	Barrys Bay			Bleskie	Privately dug	✓			30"	38'		F	D P. System	Sufficient	Into Sand
34	Barrys Bay			E. Shalla	A. Beanish	✓			30	47'	40	F	D P. System	Sufficient	Sand & gravel - Hard Pan at bottom

ONTARIO WATER RESOURCES COMMISSION

GROUND WATER SURVEY

AREA ______ COUNTY ______ DATE ______ RECORDER ______

Well No.	Municipality	Con.	Lot	Owner	Driller	Dug	Drilled	Driven	Well Diam.	Depth	Static Level M. or R.	Quality	Use	Quantity	Remarks: Log, etc.
35	Barrys Bay			Luckavitch	Plebon	✓			30"	50'		F	D P.System	Not Sufficient	Probably same as 36
36	Barrys Bay			P Kovalskie	Plebon	✓			30"	50'	40	F	D P.System	Sufficient	Sand clay bottom
37	Barrys Bay			W. Moffatt	Plebon	✓			30"+	45'		F	D&C	Sufficient	Sand
38	Barrys Bay			V. Strack	Plebon	✓			30"	42'		F	D P.System	Sufficient	
39	Barrys Bay			W Murray	?	✓				30'	3'		D P.System	Not Sufficient	on rock, sand 14' in dug well
40	Barry s Bay			L. Conway	Johnson		✓			26'		F	D P.System	Sufficient	into rock
41	Barrys Bay			A. Glofcheskie	Plebon	✓				26'		F	D P.System	Sufficient	into Sand
42	Barrys Bay			G Reynolds	?		✓			42	?	F	D	Sufficient	into rock
43	Barrys Bay			Anglican Church	Marquardt		✓			approx 200		F	C	Sufficient	into rock
44	Barrys Bay			S. Palubiski C. Hilderbrand	Marquardt		✓			160+ drilling			D&C	1g.p.m at 90'	Still drilling: Overburden 8; Old drilled well 90; new drilled into rock 160
45	Barrys Bay			P. Irabenski	"		✓			116	?	F	D P.System	Sufficient	into rock Sand 3' Rock 116
46	Barrys Bay			Town of Barrys Bay	Plebon	✓			30"	42	38	F	D&C P.System	Sufficient	Sand over Hard Pan

ONTARIO WATER RESOURCES COMMISSION

GROUND WATER SURVEY

AREA Barrys Bay COUNTY Renfrew DATE RECORDER

Well No.	Municipality	Con.	Lot	Owner	Driller	Dug	Drilled	Driven	Well Diam.	Depth	Static Level M. or R.	Quality	Use	Quantity	Remarks: Log, etc.
47	Barrys Bay			C.T. Corrigan	A. Beanish	✓			30"	51'	41'	F	D P.System	Sufficient	Sand
48	Barrys Bay			F. Kern	Plebon	✓			30"	50'	?	F	D P.System	Sufficient	Sand
49	Barrys Bay			P. Shalla	Plebon	✓			30"	28'	?	F	D P.System	Sufficient 4 houses	Sand Quick sand clay rock
50	Barrys Bay			J. Peplinskie	Plebon	✓			30	24'	13	F	D	Sufficient 3 houses	Sand
51	Barrys Bay			J. Palubiski	Plebon	✓			30"	28'	?	F	D P.System	Sufficient	Sand
52	Sherwood	R.BS	180	Mrs Richardson	Plebon	✓			30"	40'	6	F	D P.System	Sufficient	Sand / through Hardpan
53	Sherwood	RBS	180	H. Belkwell	Privately dug	✓			30"	23	11	F	D	Sufficient	Sand 10, hardpan 23
54	Sherwood	RBS	180	R. Wigston	Plebon	✓			36" O.D	46	29	F	DiS	Sufficient	Sand
55	Sherwood	R.BS	180	Dr. P. Chapeskie	Marquardt		✓		5"	200'	182	F	D	Sufficient	Sand 18 rock 200
56	Sherwood	R.B.N	185	F. Olshskie	Privately dug	✓				35'	27	F	D	Sufficient	Sand & gravel
57	Barrys Bay			M. Palubiskie	?	✓				15		F	D	Sufficient 5&6 houses	Probably Sand over rock
58	Sherwood	RBN	180	L Yantha	Plebon	✓			36"	32'		F	D	Sufficient 3 houses	Probably all in Sand

ONTARIO WATER RESOURCES COMMISSION
GROUND WATER SURVEY

AREA ________ COUNTY ________ DATE ________ RECORDER ________

Well No.	Municipality	Con.	Lot	Owner	Driller	Dug	Drilled	Driven	Well Diam.	Depth	Static Level M. or R.	Quality	Use	Quantity	Remarks: Log, etc.
59	Sherwood	R.B.N	180	J. Brotton	Privately dug	✓				36'	33	F		Sufficient	Sand
60	Sherwood	R.B.S.	176	Barrys Bay Seperate School	Marquardt		✓		5"	305	30'	F	School	4 G.P.M. P.L. 200'	0-60 Brown Soil 60-305 Grey granite

AREA OF SURVEY Barry's Bay
COUNTY Renfrew

ONTARIO WATER RESOURCES COMMISSION

TABLE OF WATER WELL RECORDS

DATE December 1967
RECORDER LFC

Well No	Location	Owner	Driller	Well Type	Well Diameter	Depth	Static Level	Pumping Rate	Pumping Level	Quality	Use	Remarks, Log, etc.
61	Village of Barry's Bay	D. Villenveuve	V. H. Marquardt 1961	●	4	66½	12	3	50	Fr.	D	0-31½ Hp. 31½-66½ Gy. Gte. Water at 66'
62	"	E. Rumbieski	" 1961	●	4	350	17	5	150	Fr.	D	0-17 old well 17-350 Gy. Gte. Water at 348'
63	"	F. Brezenski	" 1961	●	5	213	7	2	100	Fr.	D	0-6 brown soil 6-213 Gy. Gte. Water at 212'
64	"	S. Coulas	" 1961	●	5	65	25	1½	empty	Fr.	D	0-26 old dug well 26-32 Hp. 32-65 Gy. Gte. water at 64'
65	"	D. Golka	" 1961	●	4	127½	15	1½	dry	Fr.	D	0-16 old well 16-127½ Gy. Gte. Water at 100'
66	"	Wm. Acton	H. Giffin 1962	●	5	138	27½	2	90	Fr.	D	0-27½ cl. & Bn. Sd. 27½-41 Hd. Gy. Gte. 41-53 Hd. Gy. Ss. & Biotite 53-95 Hd. Gy. Gte. 95-138 Hd Gy Ss. Water at 83' & 135'

ONTARIO WATER RESOURCES COMMISSION

TABLE OF WATER WELL RECORDS

AREA OF SURVEY Barry's Bay
COUNTY Renfrew

DATE December 1967
RECORDER LFC

Well No.	Location	Owner	Driller	Well Type	Well Diameter	Depth	Static Level	Pumping Rate	Pumping Level	Quality	Use	Remarks, Log, etc
67	Village of Barry's Bay	J. Hanson	V. H. Marquardt 1962	●	5	117	25	10	85	Fr.	D	0-110 Q sd. 110-117 Med. Csr. Gr. Water at 115
68	"	J. Yantha	" 1962	●	5	119	20	5	90	Fr.	D	0-17 Hp. 17-119 Gy. Gte. Water at 118'
69	"	A. Yantha	" 1963	●	5	110	31	2½	95	Fr.	D	0-8 Bn. soil 8-32 Hp. 32-43 Lge. Sts. & Gr. Water at 100
70	"	A. Etmanskie	" 1963	●	5	150	35	½	147	Fr.	D	0-63 old well 63-150 Gy. Gte Water at 135'
71	"	O. J. Conway	" 1964	●	5	58½	25	25	30	Fr.	D	0-22 Hp. 22-58½ Gy. Gte Water at 40-55'
72	"	P. Coulas	R. Marquardt 1965	●	5	107½	35	2	100	Fr.	D	0-32 old well 32-107½ Gy. Gte. Water at 100'

ONTARIO WATER RESOURCES COMMISSION

TABLE OF WATER WELL RECORDS

AREA OF SURVEY Barry's Bay
COUNTY Renfrew

DATE December 1961
RECORDER LFC

Well No.	Location	Owner	Driller	Well Type	Well Diameter	Depth	Static Level	Pumping Rate	Pumping Level	Quality	Use	Remarks, Log, etc
73	Village of Barry's Bay	A. Coulas	B. Marquardt 1965	●	5	138½	35	15	45	Fr.	D	0-4 Br. Soil 4-137 Q sd 137-138½ Csz. Gr water at 137'
74	"	Madawaska High School Board	E.V. Marquardt 1965	⚲	6¼	200	48	25	185	Fr.	School	0-15 Sdy. soil 15-40 Hp 40-200 Gy. Gte. water at 150 & 180
75	"	"	"	⚲	6¼	228	35	6	215	Fr.	"	0-9 Sdy. soil 9-228 Gy. Gte. water at 175 & 225'
76	"	Bell Telephone	C. Munro 1966	⚲	6	70	27	5	30	Fr.	D	0-54 F. sd. & slt. 54-62 Bld. & Hp. 62-70 Gte. water at 70'
77	"	"	"	⚲	6	84	24	12	28	Fr	D	0-70 drilled well 70-84 Gte. water at 80
78	"	Bing Lum	E. Marquardt 1966	●	5	153	30	20	80	Fr.	restaurant	0-30 Hp. 30-140 Q sd 140-150 F. Gr. 150-153 Gr. ⅛" Water at 150'

ONTARIO WATER RESOURCES COMMISSION

TABLE OF WATER WELL RECORDS

AREA OF SURVEY Barry's Bay
COUNTY Renfrew

DATE December 1967
RECORDER LFC

Well No.	Location			Owner	Driller	Well Type	Well Diameter	Depth	Static Level	Pumping Rate	Pumping Level	Quality	Use	Remarks, Log, etc
79	Village of Barry's Bay			A. Beanish	B. Marquardt 1967	●	5	126	27	5	110	Fr.	D	0-8 Br. Sity. Soil 8-110 C Sd 110-126 F Gr Rock at 126'? Water at 126'
80	"			B. Mask	E.V Marquardt 1967	●	5	105	12	2	100	Fr.	D	0-10 Sity soil 10-105 Gy. Gte. Water at 102'
81	"			L.P Kubusheskie	"	●	5	30	8	12	15	Fr.	D	0-5 Sity Soil 5-30 Gy Gte Water at 28'
82	Sherwood Twp.	II	25	R.L McMillan	" 1961	●	5	123	top	8	50	Fr.	D	0-50 Bl Cl. 50-115 C Sd 115-123 Med. Gr. Water at 122'
83	"	II	25	T.H. Conway	" 1963	●	5	132	12	3	112	Fr	D	0-12 old well 12-30 F. Sd. 30-80 Cl 80-115 C Sd. 115-132 F. Gr Water at 132'
84	"	III	25	H.R. Linton	" 1964	●	5	160	15	6	140	Fr	D Hotel	0-48 Cl. 48-160 Gy. Gte Water at 155-159

ONTARIO WATER RESOURCES COMMISSION

TABLE OF WATER WELL RECORDS

AREA OF SURVEY Barry's Bay

COUNTY Renfrew

DATE December 1967

RECORDER LFC

Well No.	Location			Owner	Driller	Well Type	Well Diameter	Depth	Static Level	Pumping Rate	Pumping Level	Quality	Use	Remarks, Log, etc
85	Sherwood Twp.	III	29	J. Worthington	Mrs. M. Marquardt 1963	●	6	300	30	3	200	Fr.	D	0-7 Sd 7-300 Gy Gte water at 275'
86	"	R B N	1 7 1	B. E. Nerleck	E. V. Marquardt 1967	●	5	125	15	10	dry	Fr.	D	0-10 Bn. Sdy. soil 10-30 Cl. 30-58 Hp. 58-125 Gy. Gte. water at 95'
87	"	R B N	1 7 2	A Heron	" 1964	●	5	232	12	3	220	Fr	D	0-75 previously drilled 75-232 Gy. Gte water at 230'
88	"	R B N	1 7 4	D. Murray	" 1961	●	5	118	10	4	110	Fr.	D	0-6 Bn Soil 6-118 Gy. Gte water at 117'
? 89	"	R B N	1 7 4	A. Murray	Mrs M Marquardt 1963	●	5	157	40	2	140	Fr.	D	0-40 dug well 40-60 Q sd. 60-157 Bl. Gy. Gte. water at 150
90	"	R B N	1 7 6	R. Palubeskie	V.H Marquardt 1962	●	5	30	10	5	15	Fr.	D	0-30 Gy. Gte. water at 29'

ONTARIO WATER RESOURCES COMMISSION

TABLE OF WATER WELL RECORDS

AREA OF SURVEY Barry's Bay
COUNTY Renfrew

DATE December 1967
RECORDER LFC

Well No.	Location			Owner	Driller	Well Type	Well Diameter	Depth	Static Level	Pumping Rate	Pumping Level	Quality	Use	Remarks, Log, etc
91	Sherwood Twp.	R B N	1 7 6	T. Peblinskie	V. H. Marquardt 1963	●	5	110	15	3/4	20	Fr.	D	0-4 Br. Soil 4-110 Gy. Gte. Some Stks. of Red Rock Water at 110'
92	"	R B N	1 7 8	A. Dombroski	" 1967	●	5	121	50	4	115	Fr	D	0-15 Cse. Gr 15-50 F. Gr. 50-80 Q. Sd. 80-121 Gy Gte Water at 115'
93	"	R B N	1 8 6	Ditto	Mrs. M. Marquardt 1963	●	5	431	23	5	300	Fr.	D	0-30 Sd. 30-75 Q.sd. 75-85 Gr 85-431 Gy Gte. Water at 85', 110', 380', 430'
94	"	R B N	1 8 7	D. F. Klcke	E. V. Marquardt 1966	●	5	155	20	7 g.p.h.	Dry	Fr.	D	0-4 Cse. Gr 4-155 Gy Gte Water at 90
95	"	R B N	1 8 7	Ontario Hydro	" 1962	●	6	119	18	20	32	Fr.	D	0-60 F. Gr. 60-110 Q Sd 110-119 Med Cse Gr. Water at 60, 110
96	"	R B N	1 9 4	A. Burant	" 1966	●	5	48	21	3	45	Fr.	D	0-21 Hp & Bld. 21-48 Gy. Gte Water at 21' 48'

ONTARIO WATER RESOURCES COMMISSION

TABLE OF WATER WELL RECORDS

AREA OF SURVEY Barry's Bay

COUNTY Renfrew

DATE December 1967

RECORDER LFC

Well No.	Location			Owner	Driller	Well Type	Well Diameter	Depth	Static Level	Pumping Rate	Pumping Level	Quality	Use	Remarks, Log, etc
97	Sherwood Twp.	R B S	1 69	R. Herron	V.H Marquardt 1960	●	5	209	20	1	empty	Fr.	D	0-5 Hp. 5-209 Gy. Gte Water at 100'
98	"	R B S	1 71	Miss K. Veldick	" 1960	●	5	132	4	1½	125	Fr.	D	0-11 Bn. earth 11-132 Gy Gte. Water at 130'
99	"	R B S	1 80	Mrs M. White	" 1961	●	5	57	6	5	30	Fr.	D	0-55 Sd 55-57 Med Gr Water at 55'

ONTARIO WATER RESOURCES COMMISSION
CHEMICAL LABORATORIES

WATER ANALYSIS

All analyses except pH reported in p.p.m. unless otherwise indicated

1 p.p.m. = 1 mgm. / litre = 1 lb./100,000 Imp. Gals.

Municipality: Barry's Bay
Report to: R. C. Hore
c.c.
Source: Wells
Date Sampled: Oct.12-13.1960
by: R. C. Hore

Lab. No.	Hardness as $CaCO_3$	Alkalinity as $CaCO_3$	Iron as Fe	Chloride as Cl	Fluoride as F	pH at Lab.				
W-2457	64	44	1.6	Trace		7.4				
W-2458	126	198	0.0	2.0		7.8				
W-2459	106	52	0.56	20		7.1				
W-2460	50	14	0.20	19		5.[illegible]				
W-2461	96	28	0.12	27		6.3				
W-2462	180	4	0.0	29		6.[illegible]				
W-2463	304	86	Trace	211		7.0				
W-2464	40	14	0.04	Trace		7.6				

W-2457 1 [illegible] well - Overflowing Oct. 12.1960. (15)
W-2458 2 [illegible] Well - [illegible] Island Oct. 12.1960. (11) Dug.
W-2459 3 [illegible] Store - Oct. 13.1960. 2
W-2460 4 Leo Conway - Oct. 13.1960 40
W-2461 5 W. Burchat - Oct. 13.1960 7
W-2462 6 R. Wigston - Oct. 13.1960 Poultry Farm - dug 4
W-2463 7 Town Hall - Oct. 13.1960 Dug Well 46
W-2464 8 Barry's Bay - Off wharf.

4M-59-4521

ONTARIO WATER RESOURCES COMMISSION

BACTERIOLOGICAL EXAMINATION

WATER

SAMPLE TO BE REPORTED TO [redacted]

ADDRESS [redacted]

FILE [redacted]

DATE COLLECTED	DATE ANALYSED	LAB. NO.	LOCATION	M.F.COLIFORM COUNT/100 ML.	GRADE
[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
		[redacted]	[redacted]	[redacted]	[redacted]
		[redacted]	[redacted]	[redacted]	[redacted]
		[redacted]	[redacted]	[redacted]	[redacted]
		[redacted]	[redacted]	[redacted]	[redacted]

LEGEND – "<" MEANS LESS THAN
">" MEANS GREATER THAN

CLASSIFICATION OF WATER AS INDICATED BY EXAMINATION

GRADE A –	SATISFACTORY –	COLIFORM BACILLI WERE ABSENT FROM ALL PORTIONS TESTED
GRADE B –	DOUBTFUL –	THE POLLUTION PRESENT IS NOT SUFFICIENT TO REGARD THE WATER UNFIT FOR DRINKING.
GRADE C –	UNSATISFACTORY –	THE POLLUTION IS REACHING THE SUGGESTED LIMIT OF A DRINKING WATER SUPPLY. THIS WATER IS THEREFORE UNSAFE FOR HUMAN CONSUMPTION.

WATERS GRADED B AND C SHOULD BE RESAMPLED.

[redacted]
DATE

Fred A. Voege
ASSISTANT DIRECTOR

ONTARIO WATER RESOURCES COMMISSION

- LABORATORIES -

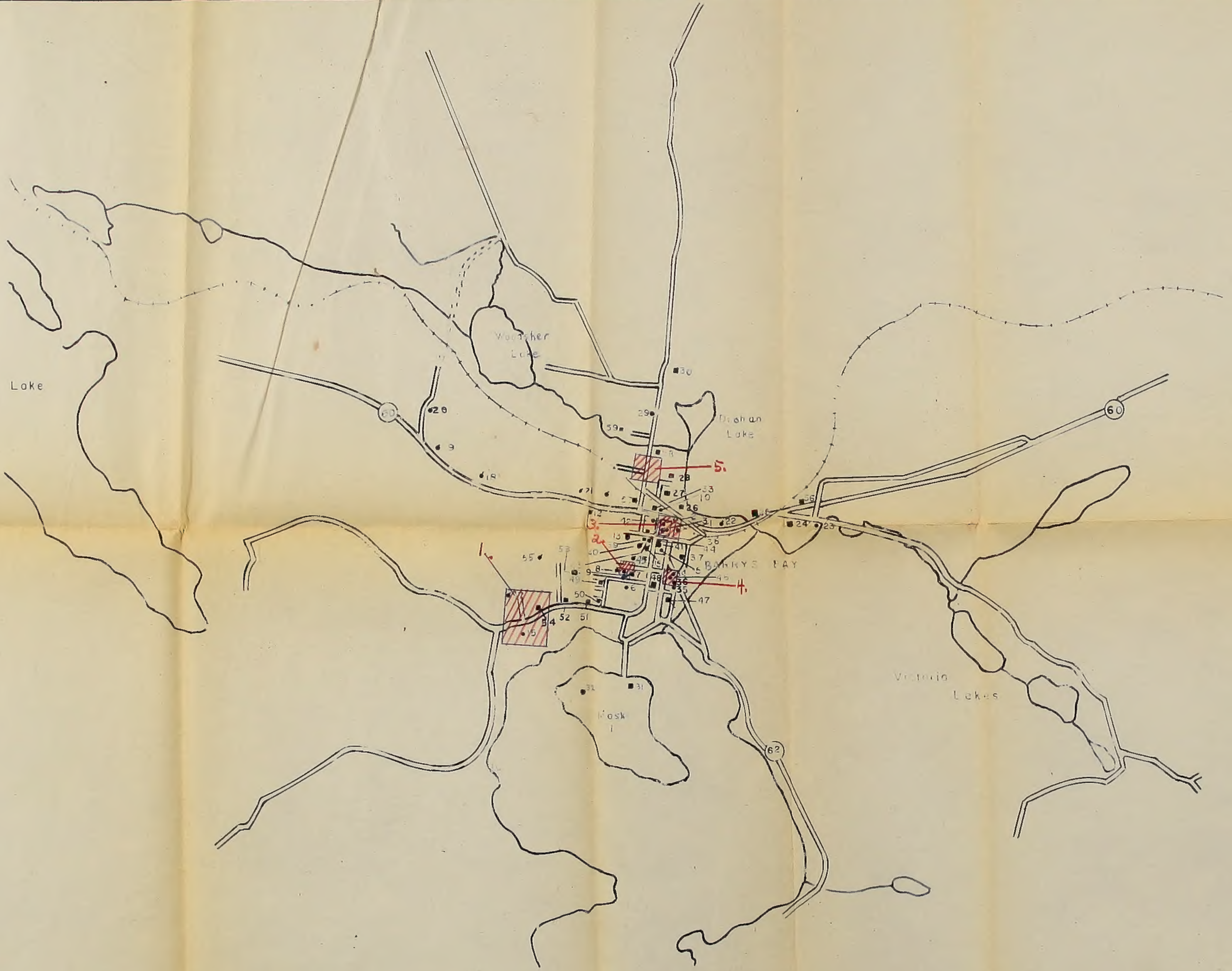
CHEMICAL ANALYSIS

ALL ANALYSES REPORTED IN P.P.M.
UNLESS OTHERWISE INDICATED.

MUNICIPALITY [redacted]
REPORT TO: [redacted]
SOURCE: [redacted]
DATE COLLECTED: [redacted]
COLLECTED BY: [redacted]

LAB. No.	HARDNESS AS $CACO_3$	ALKALINITY AS $CACO_3$	IRON AS FE	CHLORIDE AS Cl	FLUORIDE AS F	pH AT LAB.	PHENOL EQUIVALENTS				
[redacted]	[redacted]	[redacted]	[redacted]	[redacted]		[redacted]					
[redacted]	[redacted]	[redacted]	[redacted]	[redacted]		[redacted]					
[redacted]	[redacted]	[redacted]				[redacted]		[redacted]			
[redacted]	[redacted]	[redacted]									

PLAN OF THE BARRYS BAY AREA



LEGEND

● DRILLED WELL
■ DUG WELL
FLOWING WELL
WELL TO OR INTO ROCK
▨ AREA RECOMMENDED FOR TEST DRILLING
GRAVEL PIT
------ TOWN OR VILLAGE BOUNDARY
RAIL ROAD

② ▨ AREA SUGGESTED FOR TEST DRILLING

Scale 1" = 2000'

Water management in Ontario

Ontario
Water Resources
Commission

135 St. Clair Ave. W.
Toronto 7
Ontario

AREA BARRY

Well
No.

MOE/BAR/REP/APJE + maps
Hore, R.C.
Report on a ground
water survey for the apje
Barry's Bay c.1 a aa

MOE/BAR/REP/APJE + maps
Hore, R.C.
Report on a ground
water survey for the apje
Barry's Bay c.1 a aa

Environment Ontario
Laboratory Library
125 Resources Rd.
Etobicoke, Ontario M9P 3V6
Canada